

Water Audit Level 1 Validation- Validator Review & Certification Statement

Water System(s) This Audit Covers:

Public Water System Identification (PWSID)¹: CA 3710016

Water System Name Rainbow Municipal Water District

¹List only 1 PWSID which should match the PWSID on the FWAS Instructions Tab. For Special cases where the audit covers multiple water systems connected with permanent two-way interties, list those additional PWSIDs in the **Notes** below and describe the water distribution system(s) configuration.

Notes (Provided to Validator by Water System):

1. Active pipeline replacement program implemented. 2. Recommendation for random meter testing reports for next year.

Audit Period:

Validation Date: 12/17/2021

Water System Representatives:

Michael Powers

Sufficient Supporting Documents Provided: Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 80 **Data Validity Band (Level):** Band IV

ILI 0.40

Real Loss: 396.30 gallons/mile/day

Non-revenue water as percent of cost of operating system: 6.1

Apparent Loss: 66.68 gallons/connection/day

Cerification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

If not, rejected recommendations are included here:

Validator Information:

Water Audit Validator: Tanmay Thakur

Validator Qualifications: Water Audit Validator Certificate issued by the CA-NV Section of the AWWA

Validator Provided

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Notes:

Water Audit & Water Loss Improvement Steps:

1. Steps Taken: Water System to identify steps taken in the preceding 3 years to increase data validity, reduce real loss, and reduce apparent loss as informed by the annual validated water audit:

1. More than 5000 meters replaced since 2018 to reduce CMI and reduce water loss. 2. New pressure monitoring devices add

2. Planned Steps (OPTIONAL): If your audit reflects negative real losses or the cost of non-revenue water is greater than 100% of the operating costs (issues for which your audit will not meet code requirements), you will be asked what steps you are planning in the coming year to address these issues. If you already know what steps you plan to take, you may list them here. If not, please prepare a response within 90 days (23 CCR Section 638.6[a]).

Certification Statement by Utility Executive

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audit and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Executive Name (Print)

Tom Kennedy

Executive Position

General Manager

Signature


Tom Kennedy (Dec 27, 2021 15:50 PST)

Date

Dec 27, 2021






Water Loss Audit Validation certificate 2020

Final Audit Report

2021-12-27

Created:	2021-12-27
By:	Michael Powers (mpowers@rainbowmwd.com)
Status:	Signed
Transaction ID:	CBJCHBCAABAAAdLfBRVLCwiT2UuFUp2iuFO2acUpuAaj

"Water Loss Audit Validation certificate 2020" History

-  Document created by Michael Powers (mpowers@rainbowmwd.com)
2021-12-27 - 11:48:03 PM GMT- IP address: 12.14.116.84
-  Document emailed to Tom Kennedy (tkennedy@rainbowmwd.com) for signature
2021-12-27 - 11:49:59 PM GMT
-  Email viewed by Tom Kennedy (tkennedy@rainbowmwd.com)
2021-12-27 - 11:50:08 PM GMT- IP address: 104.47.64.254
-  Document e-signed by Tom Kennedy (tkennedy@rainbowmwd.com)
Signature Date: 2021-12-27 - 11:50:26 PM GMT - Time Source: server- IP address: 68.111.193.201
-  Agreement completed.
2021-12-27 - 11:50:26 PM GMT